

FILE 'USPAT' ENTERED AT 09:36:04 ON 17 NOV 1998

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* * * * *
*   W E L C O M E   T O   T H E
*   U . S .   P A T E N T   T E X T   F I L E
* * * * *
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=> file epo

FILE 'EPO' ENTERED AT 09:36:30 ON 17 NOV 1998

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* * * * *
*   G P I
*   E U R O P E A N   P A T E N T   A B S T R A C T S
* * * * *
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FILE 'EPO' ENTERED AT 09:50:34 ON 17 NOV 1998

=> gomez,daniel/in

=> s gomez,daniel/in

L1 0 GOMEZ,DANIEL/IN
 (GOMEZDANIEL/IN)

=> e gomez,d?/in

E#	FILE	FREQUENCY	TERM
E1	EPO	1	GOMEZ VERONICA M/IN
E2	EPO	1	GOMEZ WILLIAM/IN
E3	EPO	0 -->	GOMEZD?/IN
E4	EPO	3	GOMI AKIHIRO/IN
E5	EPO	2	GOMI CHIKASHI/IN
E6	EPO	10	GOMI FUKUO/IN
E7	EPO	1	GOMI FUKUO AZA KAGAMIDA/IN
E8	EPO	1	GOMI FUKUO C O K K TOYODA JIDO/IN
E9	EPO	1	GOMI H/IN
E10	EPO	1	GOMI HARUO/IN
E11	EPO	1	GOMI HIDEHITO/IN
E12	EPO	2	GOMI HIDEKI/IN

=> e gomez/in

E#	FILE	FREQUENCY	TERM
E1	EPO	1	GOMES SIMOES JOSE/IN
E2	EPO	1	GOMES UBERO VICENTE/IN
E3	EPO	0 -->	GOMEZ/IN
E4	EPO	1	GOMEZ A/IN
E5	EPO	1	GOMEZ ABELICIO/IN
E6	EPO	2	GOMEZ ACEVEDO HECTOR H/IN
E7	EPO	1	GOMEZ ACEVEDO HUMBERTO/IN
E8	EPO	1	GOMEZ ALAIN/IN
E9	EPO	1	GOMEZ ALBERT/IN
E10	EPO	2	GOMEZ ALDAN D/IN
E11	EPO	1	GOMEZ ALDAN DUANE/IN
E12	EPO	1	GOMEZ ALECHA LAURENTINO/IN

=> file uspat

FILE 'USPAT' ENTERED AT 10:00:35 ON 17 NOV 1998

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*****
*           W E L C O M E   T O   T H E           *
*           U . S .   P A T E N T   T E X T   F I L E           *
*****
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=> e gomez,d?/in

E#	FILE	FREQUENCY	TERM
E1	USPAT	1	GOMEZ, WILLIAM/IN
E2	USPAT	1	GOMEZ, ZAITTER/IN
E3	USPAT	0 -->	GOMEZ,D?/IN
E4	USPAT	3	GOMI, AKIHIRO/IN
E5	USPAT	2	GOMI, CHIKASHI/IN
E6	USPAT	10	GOMI, FUKUO/IN
E7	USPAT	1	GOMI, FUMIO/IN
E8	USPAT	1	GOMI, HARUO/IN
E9	USPAT	1	GOMI, HIDEHITO/IN
E10	USPAT	3	GOMI, HIDEKI/IN
E11	USPAT	1	GOMI, HIDESHIGE/IN
E12	USPAT	2	GOMI, HIDEYUKI/IN

=> s (0 546 956 or 546956 or 0546956)/in

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0 0 546 956/IN
0 546956/IN
0 0546956/IN
L2      0 (0 546 956 OR 546956 OR 0546956)/IN
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=> s (0 546 956 or 546956 or 0546956)/pn

=> file epo

FILE 'EPO' ENTERED AT 10:02:47 ON 17 NOV 1998

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*****
*           G P I                                           *
*           E U R O P E A N   P A T E N T   A B S T R A C T S   *
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=> s (0 546 956 or 546956 or 0546956)/pn

NUMERIC VALUE NOT VALID '0 546 956'

=> s (546956 or 0546956)/pn

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1 546956/PN
1 0546956/PN
L3      1 ( 546956 OR 0546956)/PN
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=> d ful

Expanded and recyclable vegetable material, process for its manufacture and its use in the fields of fastening, protection, packaging, coating and board materials.

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LEFEBVRE, GASTON (FR)
GERVASON, GEORGES (FR)
PALASSOF, SIMON (FR)
APPLICANT: GOMEZ DANIEL (FR)
TECH DU PAPIER CENTRE (FR)
APPL NO: EP 92403392
DATE FILED: Dec. 14, 1992
PRIOR-AP: FR 09115391A Dec. 12, 1991
INT-CL: B65D65/46; C08L1/00
EUR-CL: B32B9/02; C08L1/00; C08L97/02; D21H17/02; D21H27/38;
D21H27/40

ABSTRACT:

New, essentially vegetable material which has a density lower than 300 kg/m³, the said vegetable material being characterized in that it contains (a) vegetable, preferably cellulose, fibres, (b) a pulverulent vegetable filler which has a particle size smaller than 1.5 mm and preferably between 0.01 and 0.5 mm and originating from the wood industry, wood or vegetable scrap and/or from the agri-foodstuffs industry, and (c) a starchy substance, preferably a starchy natural polymer, and in that it has been expanded under the action of (d) a blowing agent incorporated into the mixture of the said fibres, of the said vegetable filler and of the said starchy substance.

The invention also relates to the process for the preparation of this expanded material from the above ingredients (a), (b), (c) and (d), and to its use especially, on the one hand, in the field of packing, packaging, coatings and protection and, on the other hand, in the field of coating supports and for high-bulk paper and board.

=> s (331525 or 659997)/pn

1 331525/PN
1 659997/PN
L4 2 (331525 OR 659997)/PN

FILE 'USPAT' ENTERED AT 15:21:57 ON 18 NOV 1998

* * * * *
* W E L C O M E T O T H E *
* U . S . P A T E N T T E X T F I L E *
* * * * *

=> file epo

FILE 'EPO' ENTERED AT 15:22:10 ON 18 NOV 1998

* * * * *
* G P I *
* E U R O P E A N P A T E N T A B S T R A C T S *
* * * * *

=> s 546956/pn

L1 1 546956/PN

=> s starch (5a) protein (5a) weight (5a) (percent or per cent) and (paper or cardboard)

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      4056 STARCH
      12515 PROTEIN
      97978 WEIGHT
      19910 PERCENT
      32954 PER
      1461 CENT
      1382 PER CENT
          (PER(W) CENT)
      2 STARCH (5A) PROTEIN (5A) WEIGHT (5A) (PERCENT OR PER CENT)
      33730 PAPER
      5248 CARDBOARD
L2 0 STARCH (5A) PROTEIN (5A) WEIGHT (5A) (PERCENT OR PER CENT)
AN
      D (PAPER OR CARDBOARD)
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=> file uspat

FILE 'USPAT' ENTERED AT 15:46:11 ON 18 NOV 1998

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*           W E L C O M E   T O   T H E           *
*           U . S .   P A T E N T   T E X T   F I L E           *
* * * * *
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=> s 12

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      75837 STARCH
      66142 PROTEIN
      768612 WEIGHT
      337982 PERCENT
      745416 PER
      16621 CENT
      13671 PER CENT
          (PER(W) CENT)
      14 STARCH (5A) PROTEIN (5A) WEIGHT (5A) (PERCENT OR PER CENT)
      261059 PAPER
      28263 CARDBOARD
L3 2 STARCH (5A) PROTEIN (5A) WEIGHT (5A) (PERCENT OR PER CENT)
AN
      D (PAPER OR CARDBOARD)
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=> d ti

US PAT NO: 4,171,384 [IMAGE AVAILABLE] L3: 1 of 2
TITLE: Combined dry-wet milling process for refining wheat

=> d cit

1. 4,171,384, Oct. 16, 1979, Combined dry-wet milling process for refining wheat; Vincent P. Chwalek, et al., 426/623; 127/68; 426/630, 635 [IMAGE AVAILABLE]